植物病理検査の項目追加について

お客様各位

平素は格別のご高配を賜り厚く御礼申し上げます。

この度、植物病理検査の項目を追加いたしましたので、お知らせいたします。

	PCR	Blotter	ELISA	Fungi	
	○			*Albugo candida*	
	○	○		*Alternaria brassicae*	
	○	○		*Alternaria dauci*	
	○	○		*Alternaria radicina*	
	○			*Armillaria spp*	
	○			*Berkeleyomyces basicola (syn. Thielaviopsis basicola)*	
	○			*Bipolaris maydis race T*	
	○			*Botryosphaeriaceae sp.*	
	○			*Botrytis aclada*	
	○			*Botrytis byssoidea*	
	○			*Botryotinia fuckeliana*	
	○			*Cladosporium cucumerinum*	
	○			*Colletotrichum acutatum*	
	○			*Colletotrichum circinance*	
	○			*Colletotrichum dematium*	
	○			*Colletotrichum higginsianum*	
	○			*Colletotrichum orbiculare*	
	○			*Diaporthe caulivora*	
	○			*Diaporthe phaseolorum*	
	○			*Diaporthe（Phomopsis）longicolla*	
	○	○		*Didymella bryoniae*	
	○			*Didymella(Stemphylium)lycopersici*	
	○			*Fusarium sp. universal*	
	○			*Fusarium oxysporum f. sp.conglutinans*	
	○			*Fusarium.proliferatum*	
	○			*Giberella avenacea*	
	○			*Gibberella zeae*	
	○			*Guignardia bidwellii(Phyllosticta ampelicida)*	
	○			*Lasiodiplodia theobromae*	
	○			*Macrophomina phaseolina*	
	○			*Monilinia fructicola*	
	○			*Mycosphaerella brassicicola*	
	○			*Nectria galligena*	
	○			*Peronospora chlorae*	
	○			*Peronospora destructor*	
UPDATE	○			***Peronospora hyoscyami sp. tabacina***	
	○			*Phakopsora euvitis*	
	○	○		*Phoma lingam (Leptosphaeria maculans)*	
	○			*Phytophthola ramorum*	
	○			*Phytophthora sojae*	
	○			*Pithomyces Chartarum (Pseudopithomyces chartarum)*	
	○			*Plasmodiophora brassicae*	
	○			*Plasmopara halstedii*	
UPDATE	○			***Pleospora allii***	
	○			*Pustula centaulii*	
	○			*Pustula helianthicola*	

	○		*Phymatotrichum omnivorum*	
	○		*Pyrenopeziza brassicae*	
	○		*Sclerospora graminicola*	
	○		*Sclerophthora macrospora*	
	○		*Sclerotinia sclerotiorum*	
	○		*Sclerotium cepivorum*	
UPDATE	○		***Spongospora subterranea***	
	○		*Sporisorium reilianum*	
	○		*Synchytrium aureum*	
	○		*Urocystis magica =Urocystis cepulae*	
	○		*Verticillium albo-atrum*	
	○		*Verticillium dahliae*	
	PCR		ELISA	**Bacteria**	
	○		*Acidovorax avenae citrulli*	Aac, BFB
	○		*Burkholderia andropogonis（Pseudomonas andropogonis）*	Ba
	○		*Candidatus Liberibactor solanacearum*	LSO
	○		*Clavibacter michiganensis subsp. michiganensis*	Cmm
	○		*Clavibacter michiganensis subsp. nebraskensis*	Cmn
	○		*Clavibacter michiganensis subsp. sepedonicus*	Cms
	○		*Curtobacterium flaccumfaciens pv.flaccumfaciens*	Cff
	○		*Dickeya chrysanthemi*	
	○		*Dickeya zeae*	
	○		*Erwinia carotovora subsp. atroseptica*	
	○		*Erwinia rhapontici*	
	○		*Erwinia tracheiphila*	Erwinia.t
	○		*Pantoea agglomerans pv. gypsophilae*	
	○		*Pantoea ananatis*	
	○		*Pantoea stewartii subsp. stewartii (Erwinia stewartii)*	Pantoea.ss
UPDATE	○		***Pectobacterium spp.***	
	○		*Pseudomonas cannabina pv. alisalensis*	Pca
	○		*Pseudomonas caryophilli(Burkholderia caryophylli)*	
	○		*Pseudomonas cichorii*	Pci
	○		*Pseudomonas corrugata*	Pco
UPDATE	○		***Pseudomonas syringae pv. actinidiae***	Psa
	○		*Pseudomonas syringae pv. apatata*	Papt
	○		*Pseudomonas syringae pv. helianthi*	Psh
	○		*Pseudomonas syringae pv. lachrymans*	Psl
	○		*Pseudomonas syringae pv. syringae*	Pss
	○		*Pseudomonas syringae pv. tagetis*	Ptag
	○		*Pseudomonas syringae pv. tomato*	Pst
	○		*Pseudomonas syringe pv. maculicola*	Psm
	○		*Pseudomonas viridiflava*	Pv
	○		*Ralstonia solanacearum*	Rs
	○		*Rhodococcus fascians*	Rf
	○		*Spiroplasma citri*	S.citri
	○		*Xanthomonas sp.* Universal	
	○		*Xanthomonas axonopodis pv. Phaseoli*	Xap
	○		*Xanthomonas campestris pv. campestris*	Xcc
	○		*Xanthomonas campestris pv .incanae*	Xci

○			*Xanthomonas campestris pv. raphani*	Xcr
○			*Xanthomonas campestris pv. zinnia*	Xcz
○			*Xanthomonas euvesicatoria pv.Allii*	XeA
○			*Xanthomonas gardneri*	Xg
○			*Xanthomonas hortrum pv. carotae*	Xhc
○			*Xanthomonas oryzae pv. oryzae*	Xoo
○			*Xanthomonas perforans*	Xp
○			*Xanthomonas translucens pv. translucens*	Xtt
○			*Xanthomonas vesicatoria*	Xv
○			*Xylella fastidiosa*	
○			*Xylophilus ampelinus*	Xa
PCR		**ELISA**	**Virus**	
○			*Abaca mosaic virus*	ABAMV
○			*Alfalfa mosaic virus*	AlMV
○			*Arabis mosaic virus*	ArMV
○			*Banana bract mosaic virus*	BBrMV
○			*Banana bunchy top virus*	BBTV
○			*Banana mild mosaic virus*	BanMMV
○			*Banana streak virus*	BSV
○			*Banana virus X*	BVX
○			*Broad bean wilt virus 1*	BBWV1
○			*Broad bean wilt virus 2*	BBWV2
○			*Carnation Ringspot Virus*	CRSV
○			*Carrot mottle virus*	CMoV
○			*Carrot red leaf virus*	CtRLV
○			*Carrot yellow leaf virus*	CtYLV
○			*Cherry leaf roll virus*	CLRV
○			*Cherry rasp leaf virus*	CRLV
UPDATE ○			**Chrysanthemum stem necrosis virus**	**CSNV**
UPDATE ○			**Chrysanthemum virus B**	**CVB**
○			*Citrus tatter leaf virus*	CTLV
○			*Clover yellow vein virus*	ClYVV
○			*Cowpea mild mottle virus*	CPMMV
○			*Cucumber fruit mottle mosaic virus*	CFMMV
○		○	*Cucumber green mottle mosaic virus*	CGMMV
○			*Cucumber mosaic virus*	CMV
○			*Grapevine Algerian latent virus*	GALV
○			*Grapevine leafroll-associated virus 3*	GLRaV3
○			*Grapevine Pinot gris virus*	GPGV
○			*Impatiens necrotic spot virus*	INSV
○		○	*Kyuri green mottle mosaic virus*	KGMMV
○			*Lettuce mosaic virus*	LMV
○			*Lily mottle virus*	LiMV
○			*Lily virus X*	LVX
○			*Little cherry virus-2*	LCV-2
○			*Maize dwarf mosaic virus*	MDMV
○		○	*Melon necrotic spot virus*	MNSV
○			*Melon yellow spot virus*	MYSV
○			*Onion yellow dwarf virus*	OYDV

	PCR		ELISA	Name	Abbr.
	○			Orchid fleck virus	OFV
	○			Peanut stunt cucumovirus	PSV
	○		○	Pea Seed-Born Mosaic Virus	PSbMV
	○			Pepino mosaic virus	PPMV
	○			Plum pox virus	PPV
	○			Prune Dwarf Virus	PDV
	○			Prunus necrotic ringspot virus	PNRSV
	○			Pepper mild mottle virus	PPMOV
	○			Raspberry bushy dwarf virus	RBDV
	○			Sowbane mosaic virus	SoMV
	○			Soybean Dwarf Virus	SbDV
	○			Soybean Mosaic Virus	SMV
	○		○	Squash mosaic virus	**SqMV**
	○			Strawberry necrotic shock virus	SNSV
	○			Tobacco mild green mosaic virus	TMGMV
	○		○	Tobacco mosaic virus	TMV
	○			Tobacco necrosis virus	TNV
	○			Tobacco rattle virus	TRV
	○		○	Tobacco ringspot virus	TRSV
	○			Tobacco streak virus	TSV
	○			Tomato aspermy virus	TAV
	○			Tomato black ring virus	TBRV
	○			Tomato brown rugose fruit virus	ToBRFV
	○			Tomato bushy stunt virus	TBSV
UPDATE	○			***Tomato infectious chlorosis virus***	**TICV**
	○			Tomato leaf curl New Delhi virus	ToLCNDV
	○		○	Tomato mosaic virus	ToMV
	○			Tomato mottle mosaic virus	ToMMV
	○		○	Tomato ringspot virus	ToRSV
	○			Tomato spotted wilt virus	TSWV
	○			Tomato yellow leaf curl virus	TYLCV
	○			Tobamoviruses **universal**	
	○			Tospovirus **universal**	
	○			Tulip breaking virus	TuBV
UPDATE	○			***Turnip mosaic virus***	TuMV
	○			Turnip Yellows virus	TuYV
	○			Turnip Yellow Mosaic virus	TYMV
	○			Watermelon mosaic virus 2	WMV2
			○	Zucchini green mottle mosaic virus	ZGMMV
	○			Zucchini yellow mosaic virus	ZYMV
	PCR		ELISA	**Viroid**	
	○			Citrus exocortis viroid*	CEV
	○			Chrysanthemum stunt viroid isolate*	CSVd
	○			Columnea latent viroid	CLVd
	○			Peach latent mosaic viroid	PLMVd
	○			Pepper chat fruit viroid	PCFVd
	○			Potato spindle tuber viroid*	PSTV d
	○			Tomato apical stunt viroid*	TASVd
	○			Tomato chlorotic dwarf viroid*	TCDVd

○			*Tomato planta macho viroid**	TPMVd
○			Viroid Screening(PSTVd, TCDVd, TASVd, TPMVd, CSVd, CEVd)	
PCR		ELISA	**Phytoplasma**	
○			*Phytoplasma* **Universal**	